



SOUNDARYA LAHARI VALIPE

Orlando, FL | 3213152085 | slahariv@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

With 5 years of experience as a software engineer, I specialize in C#, .NET, .NET Core, ASP.NET Core, Angular.js, React.js, databases like MySQL, SQL Server, and MongoDB to develop high-performance web solutions. My expertise includes utilizing cloud services like AWS for scalability and efficiency, designing and implementing microservices architectures and optimizing performance with asynchronous programming.

PROFESSIONAL EXPERIENCE

Application Developer - Graduate Teaching Assistant | University of Central Florida 01/2024 – 05/2024 | Orlando, FL

- Engineered a web application for professor for presenting **student records** using C#, ASP.NET, SQL Server and Angular 16.
- Built **RESTful APIs** with ASP.NET Web API, improving response times by 30% and adding **JWT authentication** for 100% secure endpoints.
- Developed **robust, type-safe** components in Angular using TypeScript, enhancing **code maintainability**, and **reducing runtime errors**.
- Implemented **Test-Driven Development** with NUnit for .NET and Jasmine with Karma for Angular, achieving a **35% reduction** in bugs.
- Boosted a **Web Development** course's engagement and satisfaction by 20% for 300 students through **interactive** modules and support.

Software Engineer | Bosch Global Software Technologies 01/2021 – 07/2022 | Bengaluru, India

- Spearheaded the development of a dynamic **high-performance full stack web application** using C#, ASP.NET Core with .NET Core, React.js, MongoDB, integrating AWS services for improved **scalability** and **security**, resulting in a 30% increase in **system resilience**.
- Enhanced **data flow** and system **performance** by developing robust **RESTful APIs** with C# and ASP.NET Core, and architecting secure, scalable infrastructure on AWS using EC2, S3, and RDS, reducing server response times by 15% and optimizing cost-efficiency.
- Increased **efficiency** and **user engagement** by using **React** and **Redux**, improving productivity by 20% and user interaction by 25%.
- Elevated **MongoDB** performance with AWS storage solutions, increasing data **retrieval speeds** by 18%, supporting high-volume transactions.
- Reduced critical **post-release defects** by 45% with rigorous automation testing via **NUnit**, enhancing **code quality** and **reliability**.
- Adopted **Docker** and **Jenkins**, cutting new developer onboarding time by 40% and standardizing **deployments** across all environments.

Backend Software Engineer | Girmiti Software Pvt Ltd 03/2019 – 11/2020 | Bengaluru, India

- Designed and implemented scalable **RESTful APIs** and optimized **microservices** using C#, .NET Core, MySQL, and AWS, significantly enhancing **data management** efficiency and **application responsiveness**, resulting in a 40% increase in **transaction throughput**.
- Utilized **Entity Framework** for efficient **database access** and **data manipulation**, improving **data handling** and **transaction efficiency**.
- Implemented **.NET Core middleware** for **logging**, **authentication**, and **error handling**, and leveraged **ASP.NET MVC** for dynamic, data-driven applications, ensuring **robust** and **enhanced user experiences** and integrated **Redis** for **caching**, reducing **execution times** by 30%.
- Conducted **advanced data analysis** using **SQL** and robust **ETL** processes to rectify data discrepancies, boosting customer satisfaction by 40%.
- Successfully deployed **75 bug fixes**, demonstrating **release engineering expertise** and **enhancing feature stability** across projects.

Backend Software Engineer Intern | Girmiti Software Pvt Ltd 07/2017 – 02/2019 | Bengaluru, India

- Assisted in developing and maintaining high-performance and scalable C# and .NET Core applications, reducing system downtime by 20%.
- Created **automation testing frameworks** using C#, JavaScript, and Postman, reducing **API errors** by 50% and improving **test reliability**.
- Architected CI/CD pipelines with **Jenkins** on **AWS EC2**, increasing **deployment speed** by 25%, and **deployment reliability** by 30%.
- Optimized **database queries** in **MySQL** and improved C# **data access** logic, improving **overall application performance**.
- Collaborated with **senior engineers** to implement **best practices**, decreasing **code review time** by 25% and improving **code quality** by 15%.

TECHNICAL SKILLS

Programming Languages	C#, JavaScript, Typescript, Python, HTML, CSS, Tailwind CSS, SASS, MySQL, MongoDB, SQL Server, C
Frameworks	.NET, .NET Core, ASP.NET Core, ASP.NET MVC, Entity, Angular.js, React.js, Node.js, Express.js, Bootstrap
Tools, Platforms and Technologies	AWS, NUnit, REST APIs, REST, Redux, Microservices, Git, GitHub, Bitbucket, JIRA, Jenkins, Docker, SDLC, Linux, Postman, Jest, Kubernetes, Confluence, Redis, Agile, Scrum, ETL, VS Code, XML, JSON, Webpack
Relevant coursework	Design and Analysis of Algorithms, Machine Learning, Natural Language Processing, Problem Solving

EDUCATION

University of Central Florida Master of Science, Computer Science | GPA- 3.91/4.0 08/2022 – 05/2024

PROJECTS

E-Commerce Platform | C#, ASP.NET Core, Angular 16, HTML, CSS, SQL Server, Docker, Kubernetes

Developed a dynamic **E-Commerce web application** with **user registration**, **login**, **product management**, and **order processing**. Implemented **real-time updates**, **secure transactions**, and a **responsive UI** using **Angular 16** and **ASP.NET Core**. Established a scalable platform using **CI/CD**, **Docker**, and **Kubernetes**, enhancing **user engagement**, and showcasing expertise in **deployment systems** and **secure coding practices**.

SmartChat | (MERN) React JS, Node JS, Express, MongoDB, HTML, JavaScript, CSS, Bootstrap, Material-UI, Socket.io

Innovated a full-stack **chat app** with real-time communication, featuring **user authentication**, **one-to-one** and **group chats**, **typing indicators**, **search**, **notifications**, and **profile viewing**. Utilized **Socket.io** for real-time updates, **React** and **Material-UI** for the frontend, **Node.js** with **Express** for the backend, and **MongoDB** for data storage. Implemented **secure data handling** and a **responsive UI**.

CERTIFICATIONS AND AWARDS

AWS Certified Developer – Associate, Awarded **"Rockstar Rookie"** and **"Standout Performer"** for outstanding contributions.